

WHAT IS CLAIMED IS:

1. A multi-layer hose having a multi-layer structure comprising an inner layer (I) made of a fluorocopolymer and an outer layer (II) made of a polyamide resin,  
5 wherein the fluorocopolymer constituting the inner layer (I) is a fluorocopolymer which comprises polymerized units (a) based on tetrafluoroethylene, polymerized units (b) based on ethylene and polymerized units (c) based on itaconic anhydride and/or citraconic anhydride, wherein  
10 the molar ratio of (a)/(b) is from 20/80 to 80/20 and the molar ratio of (c)/((a)+(b)) is from 1/10,000 to 5/100 and which has a volume flow rate of from 1 to 1,000 mm<sup>3</sup>/sec., and the polyamide resin constituting the outer layer (II) is polyamide 11 and/or polyamide 12, which  
15 satisfies a condition of (terminal amino group concentration)/(terminal carboxyl group concentration) > 1.
2. The multi-layer hose according to Claim 1, wherein the fluorocopolymer constituting the inner layer (I) is a composition comprising a fluorocopolymer which comprises  
20 polymerized units (a) based on tetrafluoroethylene, polymerized units (b) based on ethylene and polymerized units (c) based on itaconic anhydride and/or citraconic anhydride, wherein the molar ratio of (a)/(b) is from 20/80 to 80/20 and the molar ratio of (c)/((a)+(b)) is  
25 from 1/10,000 to 5/100 and which has a volume flow rate of from 1 to 1,000 mm<sup>3</sup>/sec., and an ethylene/tetrafluoroethylene copolymer other than the

above fluorocopolymer, in a mass ratio of from 1/99 to 80/20.

3. The multi-layer hose according to Claim 1, wherein the fluorocopolymer further contains polymerized units

5 (d) of another monomer which is a compound represented by  $\text{CH}_2=\text{CX}(\text{CF}_2)_n\text{Y}$  (wherein each of X and Y which are independent of each other, is a hydrogen atom or a fluorine atom, and n is from 2 to 4), wherein the content of polymerized units (d) based on such another monomer,  
10 is from 0.1 to 10 mol% based on the total polymerized units in the fluorocopolymer.

4. The multi-layer hose according to Claim 2, wherein the ethylene/tetrafluoroethylene copolymer comprises polymerized units (a) based on tetrafluoroethylene,  
15 polymerized units (b) based on ethylene and polymerized units (d) based on another monomer, wherein the molar ratio of (a)/(b) is from 50/50 to 70/30, said another monomer is a compound represented by  $\text{CH}_2=\text{CX}(\text{CF}_2)_n\text{Y}$  (wherein each of X and Y which are independent of each  
20 other, is a hydrogen atom or a fluorine atom, and n is from 2 to 4), and the content of polymerized units (d) based on such another monomer, is from 0.1 to 10 mol% based on the total polymerized units in the ethylene/tetrafluoroethylene copolymer.

25 5. The multi-layer hose according to Claim 1, wherein the polyamide resin constituting the outer layer (II) is polyamide 11 and/or polyamide 12, which satisfies a

condition of (terminal amino group concentration)/(terminal carboxyl group concentration) $>1$ , produced by adding a diamine component during the polymerization.

5 6. The multi-layer hose according to Claim 5, wherein the diamine component added during the polymerization is at least one member selected from the group consisting of an aliphatic diamine and an alicyclic diamine.

7. The multi-layer hose according to Claim 1, wherein  
10 the polyamide resin constituting the outer layer (II) is a resin composition of polyamide 11 and/or polyamide 12, which comprises polyamide 11 and/or polyamide 12, and a plasticizer and/or an impact improver.

8. The multi-layer hose according to Claim 1, wherein  
15 the surface resistance of the fluorocopolymer constituting the inner layer (I) is at most  $10^6 \Omega/\text{square}$ .

9. The multi-layer hose according to Claim 1, wherein the fluorocopolymer constitutes the inner most layer of the multi-layer hose and contains an electrical  
20 conductivity-imparting filler, wherein the content of the electrical conductivity-imparting filler is from 1 to 30 parts by mass per 100 parts by mass of the fluorocopolymer.

10. The multi-layer hose according to Claim 1, wherein  
25 the multi-layer hose is formed by coextrusion.

11. The multi-layer hose according to Claim 1, which is used as a fuel hose.